

Amendments to the Claims:

Please cancel claims 2-6, 8-11, 14-18, 20-23, 26-28, 30 and 31 as shown in the following listing of claims. This listing of claims will replace all prior versions and listings of claims in the application:

1. (original) A method for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the display including a plurality of pixels, the method comprising the steps of:

(a) providing a plurality of variable-sized bins containing the plurality of primitives;
and

(b) rendering the plurality of primitives by rendering each of the plurality of variable-sized bins variable-sized bin by variable-sized bin.

2-6. (cancelled)

7. (original) The method of claim 1 wherein the variable-sized bin providing step (a) further includes the steps of:

- (a1) determining a plurality of bins for a previous frame; and
- (a2) providing the plurality of bins containing the plurality of primitives.

8-11. (cancelled)

12. (original) The method of claim 1 wherein a second portion of the plurality of primitives intersects each of a portion of the plurality of variable-sized bins, wherein the plurality of primitives include a plurality of fragments intersecting each pixel of a portion of the plurality of pixels and wherein the rendering step (b) further includes the steps of:

(b1) rendering each of the plurality of variable-sized bins pixel by pixel in raster order, the plurality of fragments being provided pixel by pixel for the portion of the plurality of pixels.

13. (original) A computer-readable medium containing a program for providing a graphical image on a display of a system, the graphical image being provided from data describing a plurality of primitives, the display including a plurality of pixels, the program including instructions for:

(a) providing a plurality of variable-sized bins containing the plurality of primitives; and

(b) rendering the plurality of primitives by rendering each of the plurality of variable-sized bins variable-sized bin by variable-sized bin.

14-18. (cancelled)

19. (original) The computer-readable medium of claim 13 wherein the variable-sized bin providing instructions (a) further includes instructions for:

(a1) determining a plurality of bins for a previous frame; and

(a2) providing the plurality of bins containing the plurality of primitives.

20-23. (cancelled)

24. (original) The computer-readable medium of claim 13 wherein a second portion of the plurality of primitives intersects each of a portion of the plurality of variable-sized bins, wherein the plurality of primitives include a plurality of fragments intersecting each pixel of a portion of the plurality of pixels and wherein the rendering instructions (b) further includes instructions for:

(b1) rendering each of the plurality of variable-sized bins pixel by pixel in raster order, the plurality of fragments being provided pixel by pixel for the portion of the plurality of pixels.

25. (original) A system for providing a graphical image on a display, the graphical image being provided from data describing a plurality of primitives, the display including a plurality of pixels, the system comprising:

means providing a plurality of variable-sized bins containing the plurality of primitives, the plurality of bins having a variable size; and

means, coupled with the providing means, for rendering the plurality of primitives by rendering each of the plurality of variable-sized bins variable-sized bin by variable-sized bin.

26-28. (cancelled)

29. (original) The system of claim 25 wherein the variable-sized bin providing means further includes:

means for determining a plurality of bins for a previous frame; and

means for providing the plurality of bins containing the plurality of primitives.

30-31. (cancelled)